

IN THE CLAIMS:

The text of all pending claims, (including withdrawn claims) is set forth below. Cancelled and not entered claims are indicated with claim number and status only. The claims as listed below show added text with underlining and deleted text with ~~striketrough~~. The status of each claim is indicated with one of (original), (currently amended), (cancelled), (withdrawn), (new), (previously presented), or (not entered).

Please CANCEL claims 3-4 and AMEND claims 1, 5, 7, 12-17, 20-22, 28-31, and 33-36 in accordance with the following:

1. (CURRENTLY AMENDED) A method of displaying a program progress time on a signal receiver which receives and processes program guide information containing a program schedule, comprising ~~the steps of~~:

- (a) storing the program guide information;
- (b) setting a command of the signal receiver which is commonly usable by a user as a display command to display time information about a currently viewed program; and
- (c) displaying the time information about the currently viewed program together with the currently viewed program when the user issues the display command set in said step~~operation~~ (b),

the time information comprising a beginning time with respect to the currently viewed program, a program terminating time of the currently viewed program, and a current time with respect to the currently viewed program; and

- (d) automatically displaying next program information when a remaining program time reaches a preset time.

2. (CANCELLED)

3-4. (CANCELLED)

5. (CURRENTLY AMENDED) A method of displaying a program progress time as claimed in claim [[4]]1, wherein the time information includes the program progress time determined by subtracting the beginning time from the current time.

6. (PREVIOUSLY PRESENTED) A method of displaying a program progress time as claimed in claim 5, wherein the time information further comprises the remaining program time determined by subtracting the current time from the program terminating time.

7. (CURRENTLY AMENDED) A method of displaying a program progress time on a signal receiver which receives and processes program guide information containing a program schedule, comprising:

storing the program guide information;

automatically displaying time information about a currently viewed program on the signal receiver when a user issues a display command the time information including a beginning time with respect to the currently viewed program, a program terminating time of the currently viewed program, and a current time with respect to the currently viewed program; and

automatically displaying next program information when a remaining program time reaches a preset time.

8. (PREVIOUSLY PRESENTED) A method of displaying a program progress time as claimed in claim 7, wherein the time information further comprises a percentage of the program progress time as compared with a total program broadcasting time calculated by subtracting the beginning time from the program terminating time.

9. (PREVIOUSLY PRESENTED) A method of displaying a program progress time as claimed in claim 8, wherein the time information further comprises a percentage of the remaining program time as compared with the total program broadcasting time.

10. (PREVIOUSLY PRESENTED) A method of displaying a program progress time as claimed in claim 1, wherein the commonly usable command of the signal receiver is a command for a channel up/down.

11. (PREVIOUSLY PRESENTED) A method of displaying a program progress time as claimed in claim 1, wherein the commonly usable command of the signal receiver is a command for a remote controller event.

12. (CURRENTLY AMENDED) A method of displaying a program progress time on a signal receiver which receives and processes program guide information containing a program schedule, comprising:

storing the program guide information;

displaying time information about a currently viewed program on the signal receiver when a user issues a display command set the time information including a beginning time with respect to the currently viewed program, a program terminating time of the currently viewed program, and a current time with respect to the currently viewed program; and

judging that the command for displaying the program progress time is issued by the user so as to automatically display the program progress time at a preset time set by the user prior to a program terminating time of the currently viewed program.

13. (CURRENTLY AMENDED) A method of displaying a program progress time in a signal receiver which receives and processes program guide information containing a program schedule, ~~comprising the steps of:~~

receiving and storing the program guide information;

displaying a program terminating time of the currently viewed program;

determining a total program broadcasting time of a currently viewed program by subtracting a program beginning time from the program terminating time of the currently viewed program when a user issues a command requesting the displaying of the program progress time of the currently viewed program;

determining the program progress time by subtracting the beginning time from a current time;

displaying a display bar representing the total program broadcasting time, including the current time; and

automatically displaying the display bar so as to indicate a position on the display bar corresponding to the program progress time at a preset time set by the user.

14. (CURRENTLY AMENDED) A method of displaying a program progress time as claimed in claim 13, further comprising ~~the step of~~ displaying the display bar by distinguishing between a portion of the program progress time elapsed and a remaining program progress time portion.

15. (CURRENTLY AMENDED) A method of displaying a program progress time as claimed in claim 14, further comprising ~~the step of~~ displaying the program progress time on a portion of the display bar between a starting position of the display bar and a position corresponding to the program progress time on the display bar.

16. (CURRENTLY AMENDED) A method of displaying a program progress time as claimed in claim 14, comprising ~~the step of~~ displaying the remaining program progress time on a portion of the display bar between a position corresponding to the program progress time and an end position of the display bar.

17. (CURRENTLY AMENDED) A method of displaying a program progress time of a currently viewed program of a signal receiver, the method comprising ~~the steps of~~:

receiving program guide information including a program schedule having the currently viewed program; and

automatically displaying the program progress time of the currently viewed program simultaneously with the currently viewed program in response to a command from a user to perform a function other than displaying the program progress time upon receipt of the command,

the program progress time including a current time,

the command being one of an activating a channel up/down key and setting of a preset time prior to a program termination of the currently viewed program.

18. (CANCELLED)

19. (CANCELLED)

20. (CURRENTLY AMENDED) The method as claimed in claim 17, further comprising ~~the steps of~~:

generating a setup display for the user to designate ones of a plurality of commands to function as the command to perform the function other than displaying the program progress time upon receipt of the command; and

receiving inputs from the user designating the ones of the plurality of the commands to

function as the command to perform the function other than displaying the program progress time upon receipt of the command.

21. (CURRENTLY AMENDED) A method of displaying a program progress time of a currently viewed program of a signal receiver, the method comprising:

receiving program guide information including a program schedule having the currently viewed program;

displaying a program progress time including a current time of the currently viewed program in response to a command from a user to perform a function other than displaying the program progress time upon receipt of the command; and

automatically displaying next program information of a next program on a same channel as the currently viewed program at a preset time prior to the program termination of the currently viewed program.

22. (CURRENTLY AMENDED) The method as claimed in claim 17, further comprising ~~the steps of~~:

generating a setup display for the user to designate ones of a plurality of commands to function as the command to perform the function other than displaying the program progress time upon receipt of the command, wherein the plurality of commands further comprises displaying the program progress time at the preset time prior to a program termination of the currently viewed program, and for the user to designate another command to display next program information on a same channel as the currently viewed program at the preset time;

receiving inputs from the user designating whether the ones of the plurality of the commands are to function as the command to perform the function other than displaying the program progress time upon receipt of the command; and

displaying the next program information at the preset time if the first and the another commands are set by the user positively.

23. (PREVIOUSLY PRESENTED) The method as claimed in claim 17, wherein the program progress time further includes a program beginning time, and a program termination time of the currently viewed program.

24. (PREVIOUSLY PRESENTED) The method as claimed in claim 23, wherein the

program progress time further includes a channel number, a name of a broadcast station and a title of the currently viewed program.

25. (CURRENTLY AMENDED) The method as claimed in claim 23, wherein said displaying step comprises ~~the step of~~ displaying the program beginning time at a start of a display bar, the program termination time at an end of the display bar, and the current time at a position of the display bar corresponding to a percentage of time elapsed versus a total time of the currently viewed program.

26. (PREVIOUSLY PRESENTED) A method of displaying a program progress time including a program beginning time, a current time, and a program terminating time of a currently viewed program of a signal receiver, the method comprising:

receiving program guide information including a program schedule having the currently viewed program;

displaying the program progress time of the currently viewed program simultaneously with the currently viewed program automatically at a preset time wherein said displaying the program progress time further comprises displaying the beginning time at a start of a display bar, the program termination time at an end of the display bar, and the current time at a position of the display bar corresponding to a percentage of time elapsed versus a total time of the currently viewed program, and displaying a first percentage number of the time elapsed and a second percentage number of a time remaining versus the total time of the currently viewed program.

27. (PREVIOUSLY PRESENTED) A method of displaying a program progress time including a program beginning time, a current time, and a program terminating time of a currently viewed program of a signal receiver, the method comprising:

receiving program guide information including a program schedule having the currently viewed program; and

displaying the program progress time of the currently viewed program in response to a command from a user to perform a function other than displaying the program progress time upon receipt of the command wherein said displaying the program progress time further comprises displaying the beginning time at a start of a display bar, the program termination time at end of the display bar, and the current time at a position of the display bar corresponding to a percentage of time elapsed versus a total time of the currently viewed program and the

command is to display the program progress time automatically at a preset time prior to a program termination of the currently viewed program.

28. (CURRENTLY AMENDED) A device for displaying a program progress time, comprising:

a receiving unit to receive a program and a program guide containing a program schedule which includes information on a TV program;

a processor to produce data for displaying the program progress time in response to the command from the user;

a video output unit to mix video data of the program and said data for displaying the program progress time of the program, to output a resulting signal; and

a display to display the resulting signal and next program information automatically at a preset remaining time of the program,

the program progress time including a program beginning time of the TV program and a current time.

29. (CURRENTLY AMENDED) A device for displaying a program progress time the program progress time including a current time, comprising:

a receiving unit to receive a TV program and a TV program guide containing a program schedule which includes information on the TV program;

a user interface to enable entry of a command from a user requesting display of the program progress time;

an audio output unit to generate an audio signal of the TV program;

a processor to produce On-Screen-Graphic data for displaying the program progress time in response to the command from the user and based upon the program schedule;

a video output unit to mix video data of the TV program and On-Screen-Graphic data of the TV program, to output a resulting signal; and

a display to automatically display the resulting signal wherein the command is one of an activating a channel up/down key and setting of a preset time prior to a program termination of the currently viewed program.

30. (CURRENTLY AMENDED) A device for displaying a program progress time the program progress time including a current time, comprising:

a receiving unit to receive a TV program and a TV program guide containing a program schedule which includes information on the TV program;

a user interface to enable entry of a command from a user requesting display of the program progress time;

an audio output unit to generate an audio signal of the TV program;

a processor to produce On-Screen-Graphic data for displaying the program progress time in response to the command from the user and based upon the program schedule;

a video output unit to mix video data of the TV program and On-Screen-Graphic data of the TV program, to output a resulting signal; and

a display to automatically display the resulting signal wherein said processor produces ON-Screen Graphic data for displaying next program information of a next program on a same channel as the TV program at a preset time prior to a program termination of the TV program.

31. (CURRENTLY AMENDED) A method of displaying a program progress time of a currently viewed program comprising:

issuing a user-initiated display command;

displaying a program terminating time of the currently viewed program and a current time in response to the display command automatically at a preset time set by the user prior to a program terminating time of the currently viewed program; and

displaying next program information automatically at the preset time.

32. (CANCELLED)

33. (CURRENTLY AMENDED) A method of displaying a program progress time on a signal receiver which receives and processes program guide information containing a program schedule, comprising ~~the steps of~~:

storing the program guide information;

displaying time information about a currently viewed program together with the currently viewed program on the signal receiver when a user issues a display command set, the time information including a beginning time, a current time, and a terminating time of the currently viewed program; and

automatically displaying next program information when the time information reaches a preset terminating time.

34. (CURRENTLY AMENDED) A method of outputting a program progress time information to a display, comprising ~~the steps of~~:

- receiving program guide information containing a program schedule;
- storing the program guide information;
- outputting the time information about a currently viewed program together with the currently viewed program on the display when a user issues a display command set, the time information including a beginning time, a current time, and a terminating time of the currently viewed program; and
- displaying the time information and next program information automatically when the current time reaches a preset terminating time of the currently viewed program.

35. (CURRENTLY AMENDED) A method of displaying a program progress time on a signal receiver which receives and processes program guide information containing a program schedule, the method comprising:

- storing the program guide information; and
- displaying time information about a currently viewed program together with the currently viewed program and next program information automatically at a preset terminating time of the currently viewed program, the time information comprising a beginning time with respect to the currently viewed program, the program progress time including a current time.

36. (CURRENTLY AMENDED) A method comprising:

- displaying a current program and a current time; and
- automatically displaying information about a next program when a remaining time of the current program reaches a preset time.

37. (WITHDRAWN) A method of displaying time-wise progression information of a predetermined program in a broadcast receiver, said method comprising:

- receiving electronic program guide information;
- storing said electronic program guide information;
- receiving a user command to display said time-wise progression information of said predetermined program; and

displaying a graphical representation of elapsed time and time information of the predetermined program in accordance with said electronic program guide information and in response to said user command,

wherein said time information comprises a beginning time information and termination time information of said predetermined program.

38. (WITHDRAWN) The method as claimed in claim 37, wherein said broadcast receiver is a television receiver.

39. (WITHDRAWN) The method as claimed in claim 38, wherein said predetermined program is a currently viewed program.

40. (WITHDRAWN) The method as claimed in claim 39, wherein said beginning time information and said termination time information are disposed on opposite sides of said graphical representation.

41. (WITHDRAWN) The method as claimed in claim 40, wherein said opposite sides are left and right sides of said graphical representation.

42. (WITHDRAWN) The method as claimed in claim 39, wherein said time-wise progression information is superimposed with video information of said currently viewed program.

43. (WITHDRAWN) The method as claimed in claim 42, wherein said time-wise progression information is formed as an OSG.

44. (WITHDRAWN) The method as claimed in claim 42, wherein said time-wise progression information further includes a broadcast channel number, broadcast station name and program name of said currently viewed program.

45. (WITHDRAWN) The method as claimed in claim 44, further comprising turning off said time-wise progression information after a predetermined time.

46. (WITHDRAWN) The method as claimed in claim 44, wherein said graphical representation is a progress bar indicating a time-wise progression of said currently viewed program.

47. (WITHDRAWN) The method as claimed in claim 46, wherein said time-wise progression is indicative of elapsed time since said beginning time.

48. (WITHDRAWN) The method as claimed in claim 47, wherein said time information further includes a current time which corresponds to said time-wise progression of said graphical representation.

49. (WITHDRAWN) The method as claimed in claim 48, wherein said time-wise progression information further includes a percentage number of a total program time of said currently viewed program.

50. (WITHDRAWN) The method as claimed in claim 49, further comprising displaying next program information when a remaining program time reaches a predetermined amount.

51. (WITHDRAWN) The method as claimed in claim 37, wherein said user command is either a channel up or a channel down command.

52. (WITHDRAWN) The method as claimed in claim 37, wherein said user command is a predetermined remote controller event.